

# 386 | LINK

## Reference Card

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### Conventions

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<i>courier</i>	indicates switch syntax
<i>italics</i>	indicate a name or value that must be entered by the user
[ ]	(brackets) indicate optional items or information
†	386 DOS-Extender switches specifiable at link time

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### 386|LINK Command Line Switches

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386 LINK <i>file(s)</i>	Input files (.OBJ)
@ <i>filename</i>	Read switches from indirect command file [.LNK]
-[80]86	Select 8086 target CPU.
-[80]386	Select 80386/80486 target CPU (default).
-[80]486	Select 80386/80486 target CPU.
-ATTR[IBUTES] <i>option(s)</i>	Assign attributes to segment.
-BANNER	Display banner message (default).
†-CALLB[UFS] <i>nkilobytes</i>	Allocate a conventional memory buffer for use by mixed real/protected mode applications.
-CHECKSUM	Verify checksum of object records.
-CV[SYMBOLS]	Output CodeView style symbol table in the executable file.
-DEF[INE] <i>symbol=[seg:]value</i>	Define a public symbol.
-DOSORDER	Order segments according to the MS-DOS segment ordering rules used by Microsoft tools.
-DUMP	Dump object files in hexadecimal in the map file.
-E[XE] <i>filename</i>	Specify the name of the .EXE or .EXP file.

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## Command Line Switches (cont.)

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-EXPORT <i>symname(s)</i>	Export public symbol values to the symbol file.
-FULLSEG	Include a full segment listing in the map file.
-FULLSYM	Output Phar Lap FullSym style symbol table in the executable file.
-FULLWARN	Output all warning message(s).
†-ISTKSIZE <i>nkilobytes</i>	Specify the size of the interrupt stack buffers (default = 1 KB).
-ISYM[BOLS]	Output Intel OMF-386 style symbol table in the executable file.
-L[IB] <i>filename(s)</i>	Specify library file name(s).
-LOCD[ISCARD]	Do not pass through CodeView local symbols and typedefs as data in the executable file (default).
-LOCM[AP]	Output local symbols in map file.
-LOCP[ASSTHRU]	Pass through CodeView local symbols and typedefs as data in the executable file.
-LOGORDER	Use logical segment ordering (default).
-M[AP] <i>filename</i>	Specify the name of the map file.
-MAPN[AMES] <i>nchars</i>	Control length of global symbol names in the map file (default = 12 characters).
-MAPW[IDTH] <i>nchars</i>	Control the maximum line width in the program map file (default = 80 characters).
-MAXD[ATA] <i>nbytes</i>	Specify the maximum number of extra data bytes to be allocated to the program when it is loaded (default = all available memory).
†-MAXI[BUF] <i>nkilobytes</i>	Specify the maximum size for the MS-DOS system calls data buffer (default = 16 KB).
†-MAXR[EAL] <i>nparagraphs</i>	Specify the maximum number of 16-byte paragraphs of real mode memory to be left free when the program is loaded (default = 0).
-MIND[ATA] <i>nbytes</i>	Specify the minimum number of extra data bytes to be allocated to the program when it is loaded (default = 0).
†-MINI[BUF] <i>nkilobytes</i>	Specify the minimum size for the MS-DOS system calls data buffer (default = 1 KB).
†-MINR[EAL] <i>nparagraphs</i>	Specify the minimum number of 16-byte paragraphs of real mode memory to be left free when the program is loaded (default = 0).
†-NI[STACK] <i>nbuffers</i>	Specify the number of interrupt stack buffers (default = 6).
-NOBANNER	Suppress the banner message.



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## Command Line Switches (cont.)

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-NOCHECKSUM	Do not verify checksum of object records (default).
-NOLOCM[AP]	No local symbols in map file (default).
-NOM[AP]	Suppress the map file.
-NOO[UTPUT]	Suppress output executable file.
-NOPACK	Do not pack the executable file (default).
-NOREG[VARs]	Do not allow register variables in an Intel OMF-386 symbol table (default).
-NOSW[ITCHES]	Do not list the command line switches in the map file.
-NOSYM[BOLS]	Do not output a symbol table in the executable file (default).
-NOWARN	Suppress warning messages.
-OFF[SET] <i>nbytes</i>	Specify the beginning offset of the program in bytes; use a multiple of 4 KB for null pointer detection with 386 DOS-Extender applications.
-O[NE]C[ASE]	Make symbols insensitive to case (default).
-PACK	Pack an .EXP file to save disk space.
†-PRIV[ILEGED]	Run program at privilege level zero (default).
-PUBL[IST] <i>option</i>	Specify the format of the public symbols listing in the map file.
-PUR[GE] <i>options</i>	Purge local symbols for modules.
†-REALB[REAK] <i>symname</i>	Mark all bytes from the start of the program up to, but not including, the specified symbol to be loaded in conventional memory.
-REDEF[INE] <i>symbol=[seg:]value</i>	Change the value of a public symbol.
-REG[VARs]	Allow register variables in an Intel OMF-386 symbol table
-RELEXE <i>filename</i>	Output a relocatable executable (.REX) file, and specify the name of the file.
-S[TACK] <i>nbytes</i>	Specify the size of the stack segment.
-START <i>symbol</i>	Specify start address of program.
-SW[ITCHES]	Include a listing of the command switches in the map file (default).
-SYM[BOLS]	Output Phar Lap PubSym style symbol table.
-SYMF[ILE] <i>filename</i>	Generate a file of exported public symbol values.
-T[WO]C[ASE]	Make symbols sensitive to case.
†-UNPRIV[ILEGED]	Run program at privilege level three.
-WARN	Do not suppress linker warning messages (default).



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## 386LIB Command Line Switches

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386LIB <i>libname</i>	Library name [.LIB]
<i>@filename</i>	Read switches from indirect command file [.LBC].
-A[DD] <i>filename</i> ...	Add new object modules to a library.
-B[ACKUP]	Make a backup library file.
-C[REATE] <i>filename</i> ...	Create a library from object files.
-D[ELETE] <i>module</i> ...	Delete object modules from a library.
-E[XTRACT] <i>module</i> ...	Extract object modules from a library.
-E[XTRACT] ALL	Extract all object modules from a library.
-M[AP] <i>filename</i>	Create a library map file [.MAP].
-NOB[ACKUP]	Do not make a library backup file (default).
-NOM[AP]	Do not create a library map file (default).
-O[NE] C[ASE]	Case-insensitive symbol processing (default).
-PAGESIZE <i>nbytes</i>	Use a library page size of <i>nbytes</i> (default = 16).
-R[EPLACE] <i>filename</i> ...	Replace object modules in a library.
-T[WO] C[ASE]	Case-sensitive symbol processing.

